

Maryland Historical Trust

Maryland Inventory of Historic Properties number: QA-585 QA-485

Name: 17016 / MD 213 OVER BROWNS BRANCH

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _____	Eligibility Not Recommended <u>X</u>
Criteria: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D Considerations: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D <u>  </u> E <u>  </u> F <u>  </u> G <u>  </u> None	
Comments: _____	
_____	
_____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

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Maryland Inventory of Historic Properties  
Historic Bridge Inventory  
Maryland State Highway Administration  
Maryland Historical Trust

QA-485  
MHT Number ~~QA-585~~

Name and SHA No. 17016 over Browns Branch

**Location:**

Street/Road Name and Number: MD 213 over Browns Branch

City/Town: Church Hill Vicinity X

County: Queen Anne's

Ownership: X State \_\_\_ County \_\_\_ Municipal \_\_\_ Other

This bridge projects over: \_\_\_ Road \_\_\_ Railway X Water \_\_\_ Land

Is the bridge located within a designated district: \_\_\_ yes X no

\_\_\_ NR listed district \_\_\_ NR determined eligible district

\_\_\_ locally designated \_\_\_ other

Name of District \_\_\_\_\_

**Bridge Type:**

\_\_\_ Timber Bridge

\_\_\_ Beam Bridge \_\_\_ Truss-Covered \_\_\_ Trestle

\_\_\_ Timber-and-Concrete

\_\_\_ Stone Arch

\_\_\_ Metal Truss

\_\_\_ Movable Bridge

\_\_\_ Swing \_\_\_ Bascule Single Leaf \_\_\_ Bascule Multiple Leaf

\_\_\_ Vertical Lift \_\_\_ Retractable \_\_\_ Pontoon

X Metal Girder

X Rolled Girder \_\_\_ Rolled Girder Concrete Encased

\_\_\_ Plate Girder \_\_\_ Plate Girder Concrete Encased

\_\_\_ Metal Suspension

\_\_\_ Metal Arch

☐ Metal Cantilever

☒ Concrete

☐ Concrete Arch ☐ Concrete Slab ☒ Concrete Beam

☐ Rigid Frame

☐ Other Type Name \_\_\_\_\_

**Description:**

**Describe Setting:**

Bridge No. 17016 carries MD Rte 213 north-south over Brown's Branch in Queen Anne's County, Maryland. The approaches roadways are generally straight with a slight curve on the southern approach. There are W-beam guardrails on the approaches. The area around the bridge is heavily wooded and rural.

**Describe Superstructure and Substructure:**

Bridge No. 17016 was originally constructed as a 2-span reinforced concrete girder bridge. It was subsequently widened on both sides with single-span steel beams. To accomplish this, only the abutments were extended, the pier was unaltered. Each span is 16' long for a total length of 32'. The bridge is supported by one reinforced concrete pier and two reinforced concrete abutments, and concrete wingwalls. W-beam guardrails are attached to the bridge.

Deterioration to the substructure includes full height cracks in the abutments. Concrete surfaces of the pier have scale 1/2" deep on both faces. The eastern widened portion of the north abutment has rotated forward 1' at the top of the breastwall. It appears that this differentiation occurred at the construction joint was routed and filled.

**Discuss Major Alterations:**

The bridge deck was widened by adding steel beams, and by widening the abutments.

**History:**

**When Built:** Bridge widened in 1954

**Why Built:** Local transportation needs

**Who Built:** Unknown

**Why Altered:** Bridge widening

**Was this bridge built as part of an organized bridge building campaign:** Yes, it was built as part of the statewide road improvement campaign.

**Surveyor Analysis:**

**This bridge may have NR significance for association with:**

☐ A Events ☐ Person

☐ C Engineering/Architectural

**Was this bridge constructed in response to significant events in Maryland or local history:**

No, this bridge was not constructed in response to significant events in Maryland and local history.

**When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?**

No, the construction and/or alteration of this bridge has had no significant impact on the growth and development of the area.

**Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?**

No, this bridge is not located in an area which may be eligible for historic designation.

**Is the bridge a significant example of its type?**

No, this bridge is not a significant example of its type.

**Does the bridge retain integrity of the important elements described in the Context Addendum?**

No, this bridge does not retain the integrity of its primary character defining elements. Both the superstructure and the substructure have been heavily modified to widen the bridge.

**Should this bridge be given further study before significance analysis is made and Why?**

No further study of this bridge is warranted. This bridge does not retain its integrity as defined by the Context Addendum, it is not a unique engineering achievement, nor does it have an historical significance, and it is not eligible for inclusion on the National Register of Historic Places.

#### **Bibliography:**

- Greiner, Inc.  
1995 Maryland Inventory of Historic Bridges.
- Lamb, Francis  
1877 Atlas of Kent and Queen Anne's County.
- Spero, P.A.C. & Company, and Louis Berger & Associates  
1994 Historic Bridges in Maryland: Historic Bridge Context.
- State Highway Administration  
v.d. Bridge Inspection files.
- United States Geological Survey  
1958 7.5' Church Hill Quadrangle, photorevised 1973.

United States Geological Survey  
1905 15' Barclay Quadrangle.

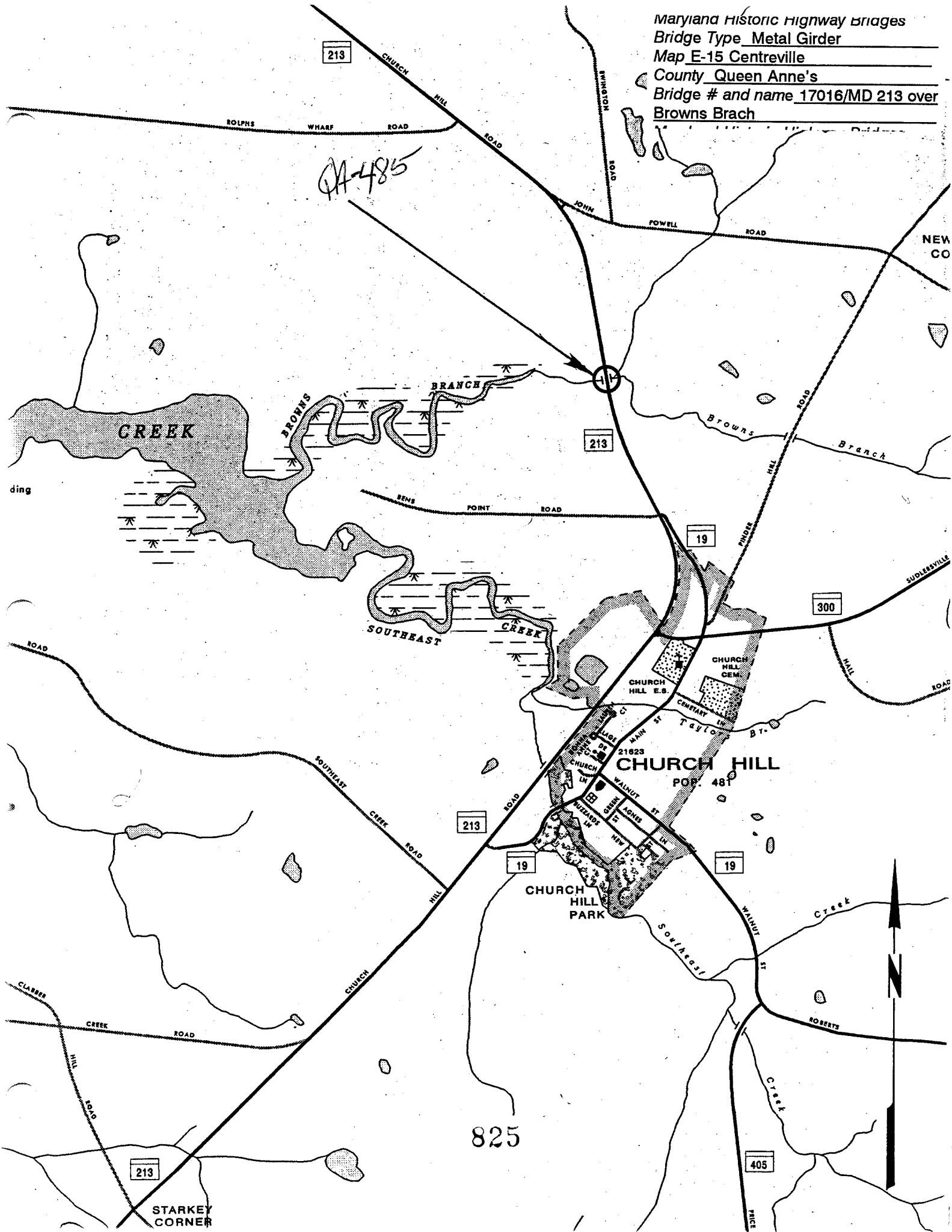
**Surveyor:**

**Name:** Jason D. Moser **Date:** September 1995

**Organization:** State Highway Admin. **Telephone:** (410) 321-2213

**Address:** 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges  
Bridge Type Metal Girder  
Map E-15 Centreville  
County Queen Anne's  
Bridge # and name 17016/MD 213 over  
Browns Brach





GA-485

QUEEN ANNES CARRY

MATT HICKSON

3-10-95

MARYLAND SHRO SHH

BRIDGE 17016, LOOKING SOUTH

1 OF 4



QA-485

QUEEN ANNES COUNTY

MATT HICKSON

3-10-95

~~MERLAND STND~~ SH (1)

BRIDGE 17010, LOOKING NORTH

Z OF 41



QA-485

QUEEN ANNES COUNTY

MATT HICKSON

3-16-95

~~MARYLAND~~ SHA

BRIDGE 17016, LOOKING UPSTREAM (EAST)

3 OF 4



QA-485

QUEEN ANNES COUNTY

MATT HICKSON

3-16-95

MARYLAND SHPO SLA

BRIDGE 17016, LOOKING DOWNSTREAM (WEST)

4 OF 4